

Title (en)

POWER DEVICE HEALTH MONITORING UTILISING A BRIDGE ARRANGEMENT

Title (de)

LEISTUNGSVORRICHTUNGSGESUNDHEITSÜBERWACHUNG UNTER VERWENDUNG EINER BRÜCKENANORDNUNG

Title (fr)

SURVEILLANCE DE L'ÉTAT D'UN DISPOSITIF D'ALIMENTATION UTILISANT UN AGENCEMENT DE PONT

Publication

EP 3820031 A1 20210512 (EN)

Application

EP 19275116 A 20191105

Priority

EP 19275116 A 20191105

Abstract (en)

An AC-DC power converter (10) is described herein comprising a bridge circuit comprising a first phase leg (20a) comprising first and second power switches (50) connected to each other in series, a second phase leg (20b) comprising third and fourth power switches (50) connected to each other in series, wherein the first phase leg (20a) and the second phase leg are connected to the each other via a bridging connection (28) to form the bridge circuit; said convertor further comprising means (40) for providing power to said bridge circuit, and means (60) for measuring an output voltage of said bridge circuit. A method for monitoring the health of such an AC-DC converter (10) is also described herein.

IPC 8 full level

H02M 1/32 (2007.01); **H02M 7/219** (2006.01)

CPC (source: EP US)

H02M 1/32 (2013.01 - EP US); **H02M 7/219** (2013.01 - EP); **H02M 7/53873** (2013.01 - US); **H02M 1/327** (2021.05 - US); **H02M 7/219** (2013.01 - US)

Citation (search report)

- [XAI] JP H11289767 A 19991019 - FUJI ELECTRIC CO LTD
- [A] DE 102012208460 A1 20131121 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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